

WHAT IS CLAIMED IS:

1. An LCD comprising:

an upper array substrate and a lower color filter
5 substrate, which are opposed and spaced a predetermined
distance to each other;

a reflective film formed in a matrix on a non-pixel
section on the color filter substrate;

a black-matrix formed on the reflective film;

10 red, green, and blue color filters, formed on pixel
sections of the color filter substrate defined by the black-
matrix;

a lower orientation film formed on the whole area of
substrates including the color filters and black-matrix;

15 a pixel electrode formed on the pixel section on the
array substrate;

an upper orientation film formed on the whole area of
substrates including the pixel electrode;

20 a liquid crystal layer interposed between the color
filter substrate and the array substrate;

a partially masked lower polarizer mounted outside the
color filter substrate, in which a portion under the non-
pixel section does not have polarization function; and

an upper polarizer mounted outside the array substrate.

2. An LCD as claimed in claim 1, wherein the lower polarizer is designed in such a manner that an overlapped length d of a portion having polarization function with the 5 reflective film ranges relative to a width L of the reflective film in accordance with the following expression 1 in order to prevent a light leakage;

[expression 1]

$0 < d < L/2.$

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3. An LCD, comprising:

an upper array substrate and a lower color filter substrate, which are opposed and spaced a predetermined distance to each other;

15 a reflective film formed in a matrix on a non-pixel section on the color filter substrate;

a black-matrix formed on the reflective film;

color filters of red, green and blue formed on pixel sections of the color filter substrate defined by the black- 20 matrix;

a lower polarizer formed on the whole area of substrates including the color filters and black-matrix;

a lower orientation film formed on the lower polarizer;

a pixel electrode formed on the pixel section on the

array substrate;

an upper orientation film formed on the whole area of substrates including the pixel electrode;

a liquid crystal layer interposed between the color 5 filter substrate and the array substrate; and

an upper polarizer mounted outside the array substrate.

4. An LCD as claimed in claim 3, wherein the lower polarizer is a partially masked polarizer, in which a 10 portion on the black-matrix does not have a polarization function.